CONTENTS OF VOLUME 50

Vol. 50 Nos. 1–2 July I, II 2001

JOEL B. SMITH and JEFFREY K. LAZO / A Summary of Climate Change Impact Assessments from the U.S. Country Studies Program 1–29

JON C. BERGENGREN, STARLEY L. THOMPSON, DAVID POLLARD and ROBERT M. DECONTO / Modeling Global Climate–Vegetation Interactions in a Doubled CO_2 World 31–75

JEAN-PAUL THEURILLAT and ANTOINE GUISAN / Potential Impact of Climate Change on Vegetation in the European Alps: A Review 77–109

ARI VENÄLÄINEN, HEIKKI TUOMENVIRTA, RIIKKA LAHTINEN and MARTTI HEIKINHEIMO / The Influence of Climate Warming on Soil Frost on Snow-Free Surfaces in Finland 111–128

PAUL GROGAN, LOTTE ILLERIS, ANDERS MICHELSEN and SVEN JONASSON / Respiration of Recently-Fixed Plant Carbon Dominates Mid-Winter Ecosystem CO_2 Production in Sub-Arctic Heath Tundra 129–142

BART NIJSSEN, GREG M. O'DONNELL, ALAN F. HAMLET and DENNIS P. LETTENMAIER / Hydrologic Sensitivity of Global Rivers to Climate Change 143–175

K. J. SENE, E. L. TATE and F. A. K. FARQUHARSON / Sensitivity Studies of the Impacts of Climate Change on White Nile Flows 177–208

STEFAN HASTENRATH / Variations of East African Climate during the Past Two Centuries 209–217

ELIZABETH CASMAN, BARUCH FISCHHOFF, MITCHELL SMALL, HADI DOWLATABADI, JOAN ROSE and M. GRANGER MORGAN / Climate Change and Cryptosporidiosis: A Qualitative Analysis 219–249

Book Review

Mark Z. Jacobson, *Fundamentals of Atmospheric Modeling* (JEFFREY T. KIEHL) 251–253

Vol. 50 No. 3 August 2001

ROSAMOND L. NAYLOR, WALTER P. FALCON, DANIEL ROCHBERG and NIKOLAS WADA / Using El Niño/Southern Oscillation Climate Data to Predict Rice Production in Indonesia 255–265

E. B. HORTON, C. K. FOLLAND and D. E. PARKER / The Changing Incidence of Extremes in Worldwide and Central England Temperatures to the End of the Twentieth Century 267–295

OLEG A. ANISIMOV / Predicting Patterns of Near-Surface Air Temperature Using Empirical Data 297–315

SHARON E. NICHOLSON / A Semi-Quantitative, Regional Precipitation Data Set for Studying African Climates of the Nineteenth Century, Part I. Overview of the Data Set 317–353

GERALD E. REHFELDT, WILLIAM R. WYKOFF and CHENG C. YING / Physiologic Plasticity, Evolution, and Impacts of a Changing Climate on *Pinus Contorta* 355–376

Book Review

J. E. Hobbs, J. A. Lindesay, and H. A. Bridgman (eds.): *Climates of the Southern Continents: Past, Present and Future* (J. SALINGER) 377–381

Vol. 50 No. 4 September 2001

AXEL MICHAELOWA and TOBIAS KOCH / Military Emissions, Armed Conflicts, Border Changes and the Kyoto Protocol 383–394

TUOMO M. SALORANTA / Post-Normal Science and the Global Climate Change Issue 395–404

K. FRAEDRICH, F.-W. GERSTENGARBE and P. C. WERNER / Climate Shifts during the Last Century 405–417

WEIHONG QIAN and YAFEN ZHU / Climate Change in China from 1880 to 1998 and its Impact on the Environmental Condition 419–444

MARK PETERS, ROBERT HOUSE, JAN LEWANDROWSKI and HOWARD MCDOWELL / Economic Impacts of Carbon Charges on U.S. Agriculture 445–473

CHI-CHUNG CHEN and BRUCE A. McCARL / An Investigation of the Relationship between Pesticide Usage and Climate Change 475–487

STANLEY A. CHANGNON and DAVID CHANGNON / Long-Term Fluctuations in Thunderstorm Activity in the United States 489–503

Correspondence

XUEBIN ZHANG, W. D. HOGG and B. R. BONSAL / A Cautionary Note on the Use of Seasonally Varying Thresholds to Assess Temperature Extremes. *Comments on 'The Use of Indices to Identify Changes in Climatic Extremes'* 505–507

E. B. HORTON, D. E. PARKER, C. K. FOLLAND, P. D. JONES and M. HULME / The Effect of Increasing the Mean on the Percentage of Extreme Values in Gaussian and Skew Distributions. *Response to X. Zhang et al.* 509–510

Book Review

Frances Drake: *Global Warming. The Science of Climate Change* (KEVIN E. TRENBERTH) 511–513

Volume Contents 515–517

Author Index 519